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19 OCT 1981

MEMORANDUM FOR THE RECORD

SUBJECT: Contractor Meeting - Utilities Alternatives
Study - on 14 October 1981 ☐

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2. The following assumptions were agreed to for use in modeling:

a. Power density in machine space will be 50 watts per square foot.

b. Power density in office areas will be 10 watts per square foot (6 watts, utility load; 4 watts, technical load).

c. The critical load will be 25% of the technical load.

d. Essential load (loads that can tolerate only brief interruptions) will be 75% of technical load.

e. The magnitude of the connected load and demand load will be assumed by ☐ based on the above information and their experience.

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f. Power will be considered not available (an outage) when the parameters exceed machine specifications. ☐ will establish nominal specifications based on major manufacturers' design parameters.

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g. The maximum acceptable outage rate will be one per month.

h. On-site power generation will be considered only if necessary to achieve a given level of availability.

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i. In instances where full-time on-site generation is required, co-generation will be considered.

j. The amortization period of the facility will be 30 years.

3. Government actions accepted were:

a. Provide footprints of the building models.

b. Provide assumed loads for 400HZ and DC distribution systems.

c. Provide statistical information on the quality of local commercial power.

4. expects to call a second meeting within several weeks to discuss and refine the design models.

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